

APPENDIX A- SCOPE OF WORK ACJP082134

SYSTEM DESCRIPTION

Fire Water Distribution System ACJP082134

Isolation Valves

Provide isolation valves for the Fire water system. These valves are to separate L.A. Air Force Base into four Quadrangles. Contractor is to identify and define isolation locations. At a minimum, contractor is to coordinate approval of isolation locations through Los Angeles Air Force Civil Engineering PM, Fire Chief, and Plumber. No construction work is to begin without a set of working drawings and approval from 61 CELS. For the contractor convenience, enclosed is a CAD drawing (CAD 1) showing the existing water line system.

NOTE:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF UTILITY LINES VIA THEIR OWN MEANS. 61 CELS STAFF MAY ASSIST IN LOCATING LINES HOWEVER; CONTRACTOR IS FULLY RESPONSIBLE FOR PROPER LOCATION OF LINES.

At a minimum the Contractor shall address the following in his/her specifications and plans:

- Excavation
- "Dead Man" Trust Blocks
- Pipe and fittings Materials
- Valves installations
- Backfilling
- Gate Valves
- Valve Boxes
- Details
- Flushing and Disinfection of water line
- Pressure Testing

General Construction Standard of Care – Minimum Requirements:

SITE EARTHWORK

COMMON EXCAVATION

The contractor is to follow design engineer's construction drawings, and design specifications. Note: All construction drawings must be approved by Air Force Civil Engineering prior to construction. All work must follow approved schedule any acceleration or delay of schedule must be approved by Air Force Contracting officer.

COMPACTION

The contractor is to follow design engineer's or geotechnical engineer's compaction specification. Certified Compaction testing results MUST be supplied to Air Force Civil Engineering PM with in 24 hours after testing or 24 hours prior to placement of any structure above compacted material.

SHORING

The Contractor is to follow the design engineer's shoring plan. Shoring requirements shall be described on applicable Health and Safety Plan.

TEMPORARY DEWATERING

The Contractor is to follow the design engineer's dewatering plan, and or phasing plan. Dewatering requirements shall be described on applicable Health and Safety Plan, and on Environmental Protection Plan.

OTHER SITE EARTHWORK

RE-SURFACING

Disturbance of existing finished road surfaces, sidewalks, grassed areas etc. must be identified and approved by Los Angeles Air Force Base 61 CELS prior to commencement of construction excavation. If and when different sections of the base are to be disturbed it is recommended that these sections be identified on a phasing plan. Disturbed areas must be made whole (i.e. grades to match existing provide proper drainage etc.) once construction and or installations are accomplished.

BASE & SUBBASE MATERIALS

Base and Sub-Base Materials for use to be identified and specified on plans by design engineer / geotechnical engineer, or any qualified professional in the geo-engineering sciences.

CURBS & BUTTERS

Finished grade elevations for curbs and gutters shall be shown on construction drawings and shall tie into adjacent grades.

ASPHAL PLACEMENT

Design engineer to specified type of asphalt cement to be used on construction drawings. Contractor shall submit bill of materials showing type of asphalt placed within 24 hours after placement. Deviation of placement material will not be allowed without design engineer's approval.

Recycled asphalt pavement material may be used for bituminous concrete pavement as long as it is approved by design engineer. Used quantities of recycled asphalt pavements and areas paved with such materials shall be reported to Civil Engineering PM with in 24 hours of placement.

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MARKING & SIGNAGE

Disturbance to markings and signage shall be kept to a minimum and / or replaced once construction is complete.

PAVED SURFACES

Disturbance of existing finished road surfaces, side-walks, grassed areas etc. must be identified and approved by Los Angeles Air Force Base 61 CELS prior to commencement of construction / excavation. If and when different sections of the base are to be disturbed it is recommended that these sections be identified on a phasing plan. Disturbed areas must be made whole (i.e. grades to match existing, and provide proper drainage etc.) once construction and or installations are accomplished.

EROSION CONTROL MEASURES

If applicable, develop erosion protection plan.

TOPSOIL AND PLANTING BEDS

Protect, minimize, disturbance to topsoil and planting beds.